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Support at Vandenberg Air Force Base

MODEL NO. WS-133A CONTRACT NO. AF 04(647)-757

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REFERENCES

<u>Document No.</u>	<u>Title</u>
1. OM 60-0000-33710	Program Requirements Document for Assembly and Checkout of Facilities and Test Programs at Vandenberg Air Force Base (Secret Classification)
2. AF Letter DPLP dated 9 October 1961	Policy for Support of Air Force Weapon System Contractors at Vandenberg Air Force Base and Naval Missile Facility, Point Arguello (Unclassified)
3. D2-6551	Technical Criteria for Minuteman Launch Facility at VAFB.
4. D2-6555	Technical Criteria for Design of Minuteman Hard Launch Control Facility at VAFB
5. D2-7272	Final Facility Design Criteria of ORT/CTL Maintenance Building, VAFB
6. D2-6980	Technical Criteria for Design of Minuteman Soft Launch Control Center Facility at VAFB
7. D2-9460	Vandenberg Project Safety Standards for Industrial and Missile Operations
8. D2-7779-3	Remote Base Health and Safety Manual
9. D2-1279	Quality Control Procedures Manual
10. AFM 88-15	Air Force Manual 88-15
11. 1st MEM	58-2 Missile Safety
12. 1st MEM	55-1 Missile Operations
13. BSD Exhibit 61-90	VAFB Minuteman General Safety Plan
14. Contract AF 04(647)-678	Special Facilities Contract, VAFB
15. Contract AF 04(647)-777	Engineering Test Program, Research and Development at Vandenberg Air Force Base
16. Air Force Regulation 91-8	"Refrigeration, Air Conditioning, Mechanical Ventilation, Evaporative Cooling, Dehumidification, Ice Manufacturing."



REFERENCES (continued)

17. D2-14271 Non-Figure A Items of Equipment Required to Support
Wing I Technical Order Validation and Verification Program
at VAFB.



1.0 INTRODUCTION

1.1 PURPOSE

This document defines facilities, communications, general services, special services, equipment and supplies support to be provided locally by the Air Force (and the Contractor as applicable), at Vandenberg Air Force Base for the Contractor's and Associate Contractors' use in conducting the WS-133A Weapon System Wings I, II and III-V Test Programs as described in Contract AF04(647)-757.

1.2 AUTHORITY

In accordance with Contract AF04(647)-757, this document constitutes mutual agreement between the Government and the Contractor that the support requirements stated herein are necessary for the performance of the Contractor. The Contractor's obligation to perform the work noted in the contract statement of work is contingent upon this support being furnished by the Government at no charge to the Contractor.

1.3 REVISIONS

The requirements contained in this document represent minimum needs based on the WS-133A Weapon System Program as presently defined in the contract. Changes in these requirements will be made to conform to effort added to the contract.

1.4 SCOPE

This document is divided into chapters to include all the support requirements for the Boeing Company, its Associate and sub-contractors for the WS-133A Weapon System. For purposes of clarity and planning, it specifies the facilities, communications, general services, technical requirements and equipment and supplies provisionment but does not list any equipment which may be bailed by the Government to Boeing, its Associate Contractors or its sub-contractors.

1.5 APPENDICES

The appendices at the end of each chapter contain the summary tabulation of space, air conditioning, electrical power, water, vehicular equipment, communication circuit, etc., as applicable.

1.6 ASSOCIATE CONTRACTORS

Responsibilities for providing supplies and services as outlined in this document will also apply to similar requirements of Associate Contractors.

1.7 BASE POLICY FOR WEAPON SYSTEM CONTRACTORS

The Contractor will observe the policies outlined in the Policy for Support of Air Force Weapon System Contractors at VAFB and Point Arguello, dated 9 October 1961, as released by the 1st Missile Division.



CHAPTER I
FACILITIES

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CHAPTER I - FACILITIES

1.0 GENERAL

The Air Force shall provide each of the various facilities as enumerated in Appendix I-A for respective utilization as listed therein for the development of the WS-133A Weapon System. Time of initial occupancy and duration following, shall be in accordance with Appendix I-F. Associated utilities as described in this chapter shall also be provided coincident with the occupancy date.

1.1 SPACE

The space required and designated in this document and listed in Appendix I-A shall be considered net usable space exclusive of hallways, washrooms or any other support or architectural requirement which prevents efficient utilization. The type of space required is segregated into four general categories as follows:

- A. Administration/Engineering Space - Facilities providing space for engineering, administration, files, documents, reproduction, and office support activities shall be in keeping with good commercial practice, heated in the winter and ventilated in the summer for personnel comfort.
- B. Technical/Test - Facilities provided shall be of Calibration/Certification laboratory type, air conditioned for protection of electronic and precision mechanical equipment.
- C. Shop/Supply - Space shall be enclosed working area, heated in the winter and ventilated in the summer to provide modification and maintenance shops and storage of materials in accordance with Air Force Regulation 91-8.
- D. Work, Parking and Storage Yard Area - Yard area will be provided for personal vehicle parking and will be striped and bulkheaded by the Air Force in accordance with Contractor provided layout drawings to be supplied. In addition, approximately 170,000 sq. ft. of yard area with perimeter chain-link security fencing will be provided adjacent to the Contractor Support Area by the Air Force for outside storage of vehicles, large assemblies, racks, dollies, bulk supplies, etc.

1.2 HUMIDITY AND TEMPERATURE CONTROL

Air conditioning for protection of electronic and precision mechanical equipment is to be provided in accordance with Air Force Regulation 91-8. Facility requirements for air conditioning are contained in Appendix I-B.

1.3 ELECTRICAL POWER AND LIGHTING

Power distribution from the generation source to usable outlets at all locations will be provided by the Government and the contractor as designated.

- A. At the Contractor Support Area, power distribution will be provided to the building panel by the Government. Distribution from the panel at convenience outlets will be accomplished by the Contractor.
- B. At the Launch Area, power and power distribution will be provided by the Government.
- C. Specific types and quality of power are detailed in Appendix 1-C and will be delivered in accordance with good commercial practice at no charge to the Contractor.
- D. Certain of the Contractor's areas, specified in Appendix 1-C, require electric power at all times. In the event of a power failure, the Air Force will supply portable electric generators to service these areas.

Adequate illumination of all facilities will be provided by the Government. External illumination will be provided by the Government to the degree necessary for personnel safety and night work operations as may be required throughout the program.

1.4 WATER

Water shall be provided, in quantities as specified in Appendix 1-D, by the Air Force at no charge to the Contractor. Water treatment shall be provided at all locations where analysis indicates mineral content detrimental to the installed equipment.

1.5 SEWAGE

Adequate sewage and maintenance thereto shall be provided by the Air Force as required for the facilities listed in Appendix 1-A.

1.6 NATURAL GAS

Specific natural gas requirements are detailed in Appendix 1-E and are to be provided by the Air Force at no charge to the Contractor.

1.7 COMMUNICATIONS

Communication facilities required for the WS-133A program will be listed in Chapter II.

1.8 FACILITIES MODIFICATIONS

Fixed facilities, equipment and utilities, whether provided by the Air Force and modified by the Contractor, or provided by the Air Force or the Contractor, will be modified by the Air Force as necessary to remain compatible with the Weapon System development. The Boeing Company will be responsible for the preparation and submission of all proposed facility changes originated by Boeing or any of the Associate Contractors during the Construction phase or Assembly and Checkout phase.

1.9 ACCESS ROADS

The Air Force will provide and maintain access roads to all WS-133A facilities and locations listed in Attachment 1-A.

2.0 SHOP SUPPORT

The Contractor shall support the Associate Contractors to the extent as limited by equipment available in the Carpenter Shop and Mechanical Shop.

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APPENDIX I-A
SPACE REQUIREMENTS SUMMARY

Item No.	Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
1	Launcher Facility (H&D) Nos 04 and 05	2	N/A	Point Sal, VAFB	<u>Launch Missiles.</u> Launcher to be as near as possible to operational configuration with the added feature of refire capability, CTLL, and to accommodate FMR targets. Reference: Document D2-6551
2	Hard L.C.C. Facility H & D OIA & OIE	2	N/A	Point Sal, VAFB	<u>Launch Control Center for Launching Missiles.</u> Facility to be as near as possible to operational configuration. Reference: Document D2-6555
3	Launcher Facility (H&D) Nos. 02, 03, 07, 08 & 09	5	N/A	Point Sal, VAFB	<u>Launch Missiles.</u> Launcher to be as near as possible to operational configuration with the added feature of refire capability and CTLL. Reference: Document D2-6551
4	Launcher Facility (H&D) No. 06	1	N/A	Point Sal, VAFB	<u>Launch Missiles.</u> Launcher to be as near as possible to operational configuration with the added feature of refire capability and CTLL. Reference: Document D2-6551
5	O&T/CTL Maintenance Building	1	Approx. 30,000	Industrial Area, VAFB	Provide field level maintenance shop support to the H&D system. Support the administrative and maintenance requirements of the Strategic Air Command (SAC) for the Operational Readiness Training (O&T) and Combat Training Launch (CTL) programs. Reference: D2-7272. The facility shall have the following areas and shops: 1. Electronic Maintenance Area

APPENDIX I-A (Continued)

SPACE REQUIREMENTS SUMMARY

Item No.	Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
5	(Continued)				<p>a. Electronic Drawer Maintenance Area</p> <p>b. Q&C Section Functional Checkout Area</p> <p>c. Autocollimator and Theodolite Maintenance Area</p> <p>d. Airborne CTLI Section Functional Checkout Area</p> <p>e. CTLI Repair - Airborne and GOR Area</p> <p>f. Cable and Cable Board Checkout Area</p> <p>g. RF Checkout Area</p> <p>h. Miscellaneous Field Level Electronics Maintenance Area</p> <p>2. Measurements Shop</p> <p>3. Encoder Decoder Area</p> <p>4. Material Control Area</p> <p>5. Airlock and Cleaning Area</p> <p>6. Electrical Mechanical Maintenance</p> <p>7. Special Purpose Vehicle Maintenance Area</p> <p>8. Administrative Area</p> <p>A facility is required to unload missiles which are shipped to the test site in transporter erectors via railroad flat car. The capability of unloading any test equipment or supplies, required for the R&D test, from box cars is required.</p>
6	Missile Unloading Facility	1	10,220	Point Sal, VAFB	
7	Transporter Erector and SSCM Transient Storage Facility (R&D)	1	1,280	Point Sal, VAFB	<p>A "short period" parking area and facilities to maintain environmental conditions is required for holding the T-E (with</p>

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APPENDIX I-A (Continued)

SPACE REQUIREMENTS SUMMARY

Item No.	Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
7	(Continued)				
					missile) until the missile is either stored in a magazine or moved to the Destruct Package Installation Facility. A 15' x 16' hard stand area must be provided in the center of the pad to support the loads of the T-E landing gear when the T-E tractor or SSCM is removed.
8	Transporter Erector and SSCM Transient Storage Facility	1	1,280	Point Sal, VAFB	Same as above (Item 7).
9	Missile Storage Facility	2	860 Min.	CSA, VAFB	Missile Storage
10	Missile Storage Facility	2	860 Min.	CSA, VAFB	
11	Destruct Package Installation Facility (H&D)	1	1,188	Point Sal, VAFB	A facility is required for checkout and installation of the missile destruct components prior to missile launch. Work space for 10 personnel and test equipment, in an environmentally controlled atmosphere, shall be provided. A hardstand road bed and ramp outside the facility shall be provided as well as footings to support the loads of a missile on a transfer rail structure inside the facility. (See Item 11 above).
12	Destruct Package Installation Facility (H&D)	1	1,188	DBA, VAFB	
13	L.C.C. Training Building (H&D)	1	N/A	Industrial Area, VAFB	Train L.O.C. crew. Reference: D2-6980, "Technical Criteria

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APPENDIX I-A (Continued)
SPACE REQUIREMENTS SUMMARY

Item No.	Building Number and Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
13	(Continued)				
14	Soft L.C.C., Point Sal	2	N/A	Point Sal, VAFB	for Design of Minuteman Soft Launch Control Center Facility at VAFB." (Incl. (4) Soft L.C.C. Training Rooms).
15	5303 Administration	1	5,300	Industrial Area	SAC weapon system testing facilities and briefing area. To house Base Manager and Staff required to support base activities. Included will be the Administration Manager, Engineering Manager, Operations Manager, and Chief Inspector.
16	5324 Administration	1	5,300	Industrial Area	Occupied by Associated Contractors - Autonetics.
17	5225 Administration	1	5,300	Industrial Area	Will contain administrative functions of Finance; also will include TWX, telephone switchboard and mailroom.
18	5306 Support Services	1	2,360	Industrial Area	Used to house the functions of the Support Services which include blueprint reproduction facility and main blueprint files.
19	5118 Treasury Support	1	2,457	Industrial Area	This building is MRO stores which includes contract perishable tools, maintenance repair and operational items and material control.
20	5107 Kitting	1	2,360	Industrial Area	This building is the staging area and items of equipment will be packaged and dispatched to using areas.

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APPENDIX I-A (Continued)

SPACE REQUIREMENTS SUMMARY

Item No.	Building Number and Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
21	6418 Receiving - Inspection	1	5,300	Industrial Area	Utilized for receiving and installation of all incoming parts, items and equipment. Installation consisting primarily of visual and dimensional verification of basic character. Incoming items will be stored awaiting instructions and transportation to other areas. This building will also include the material review booth, office and records area and storage of instruments and tools.
22	5302 Program Control	1	5,300	Industrial Area	Utilized as office area for program control chart room and program scheduling.
23	5304 Administration	1	5,300	Industrial Area	This building contains the Industrial Relations Unit and the timekeeping unit. This includes personnel, safety employment, security, etc.
24	5305 Administration	1	5,300	Industrial Area	This building contains the material and facilities units.
25	5230 Administration	1	5,300	Industrial Area	This building is used to house the administrative area required by associate contractors, reliability and change board.
26	5127 Production Control	1	2,360	Industrial Area	This building will be used by the production control unit whose operation includes preparation and processing of all records relative to production control. Included in this area is expediting, central dispatch and central incoming area for all PCA parts.

APPENDIX I-A (Continued)

SPACE REQUIREMENTS SUMMARY

Item No.	Building Number and Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
27	5132 Carpenter Shop	1	2,360	Industrial Area	This space will be used as a carpenter shop from which routine and special CSA requirements will be satisfied.
28	5313 Storage	1	2,360	Industrial Area	General storage of small parts and spares will be stored on shelves, racks and bins.
29	5301 Stationery Stores and Self Service Stationery	1	2,457	Industrial Area	This building will be used to store and dispense stationery supplies. Storage will be on shelves and dispensed from self-service racks or over the counter.
30	5314 Storage	1	2,457	Industrial Area	This building will be used for general storage of large items and parts. Storage will be accomplished on racks, skids, billets and in open space.
31	5315 Storage	1	2,457	Industrial Area	Vellum storage, plus document control area.
32	5316 Storage	1	2,457	Industrial Area	This building will be used for storage of GFE and equipment furnished by associate contractors. Items will be stored in racks, billets or in open areas.
33	5446 Storage	1	224	Industrial Area	Paint and combustible storage.
34	5120 Assembly and Checkout	1	2,457	Industrial Area	Half of this building is used as a CTLI cable facility and checkout, the other half is used for storage.

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APPENDIX I-A (Continued)
SPACE REQUIREMENTS SUMMARY

Item No.	Building Number and Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
35	5426 Mechanical Support Shop 1	1	4,570	Industrial Area	House facilities and equipment required for mechanical support of program will include machine shop, welding area, tool room, sheet metal facility, etc.
36	5430 Handling Equipment	1	3,232	Industrial Area	House equipment and facilities required to provide maintenance of handling equipment vehicles, which will include equipment required for lubrication, tire repair, tune-up and other minor repair.
37	6420 Electronic Maintenance Functional Test and Data Processing	1	7,020	Industrial Area	To house equipment required for functional test of parts and checkout equipment, i.e., meters, gages, recording and measuring devices, included operations are mobile van verification portable checkout equipment calibration and rework and test of commercial equipment, i.e., oscilloscopes, counters, volt meters, etc. Also will house tool room and EDM equipment to maintain records accountability.
38	5308 Administration	1	5,300	Industrial Area	This building will be used to house the administrative functions of quality control and spares engineering including records.
39	5309 Administration	1	5,300	Industrial Area	This building will be used to house administration functions of production engineering - planning.
40	6207 Administration	1	5,300	Industrial Area	This building will be used to house contractor customer service personnel.

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APPENDIX I-A (Continued)

SPACE REQUIREMENTS SUMMARY

Item No.	Building Number and Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
41	6222 Administration	1	5,300	Industrial Area	This building will be used to house the Data Display Facility
42	6223 Administration	1	5,300	Industrial Area	This building will be used for office area for Systems Test engineers to evaluate, coordinate and review the data for the test program. They will also prepare test criteria and procedures for new requirements.
43	6224 Administration	1	5,300	Industrial Area	See Item 42 above.
44	6225 Administration	1	5,300	Industrial Area	This building will be used for office area to support engineering design liaison on the weapon system.
45	5004 Training	1	1,962	Industrial Area	This building is used as a classroom type training facility.
46	Tidmarsh Building	1	3,000	Point Sal, VAFB	This building satisfies a weapon system kitting and storage requirement at the Launch Site facilities
47	Stolte Building	1	2,500	Point Sal, VAFB	This building satisfies a general storage area requirement and emergency maintenance and repair shop at the Launch Site Facility.

APPENDIX I-A (Continued)

SPACE REQUIREMENTS SUMMARY

Item No.	Building Number and Type of Facility	Qty.	Usable Area Sq. Ft.	Location	Purpose, Remarks and Reference
48	5330 Administration	1	5,300	Industrial Area	Category II testing personnel will be housed in this building.
49	5331 Administration	1	5,300	Industrial Area	Houses Central Tech. Order Control Unit.
50	3001 Administration	1	150	Industrial Area	A portion of this building is required to provide space for the Boeing interface surveillance group to coordinate with the Air Force.
51	5328 Administration	1	260	Industrial Area	Used for test engineering manager.
52	5425 Storage	1	2,950	Industrial Area	Used for reclamation, bonded stores and spares
53	5427 Storage	1	2,950	Industrial Area	Used for storage of spares.
54	5428 Storage	1	2,950	Industrial Area	Used for storage of production parts.

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APPENDIX I-B

HUMIDITY & TEMPERATURE CONTROL REQUIREMENTS SUMMARY

Legend

- Class I** Environmental Control to maintain comfort conditions as defined in AF Manual 88-15, Chapters E & F.
- Class II** Continuous environmental control to maintain the following: 72°F ± 3° 60% relative humidity maximum, filtration to pass no particles larger than 50 microns and to be 85% efficient minimum as measured by M. B. S. Standard discoloration method.

Class III Equipment cooling per following method:

- A. By radiation and connection directly to the room.
- B. By forced circulation of room air through the equipment by fan supplied with the equipment.
- C. By forced circulation of air through the equipment by fan separated from the equipment and having filtration 85% efficient minimum as measured by the M. B. S. atmospheric test.

Equipment requiring cooling air to be located in environmentally controlled area.

Class IV Unheated

CSA - VAFB

<u>Hdg. No.</u>	<u>Use</u>	<u>Feb 61</u>	<u>Apr 61</u>	<u>Jul 61</u>	<u>Oct 61</u>	<u>Jan 62</u>	<u>Apr 62</u>	<u>July 62</u>	<u>Oct 62</u>	<u>Jan 63</u>	<u>Apr 63</u>
5004	Administration	I	I	I	I	I	I	I	I	I	I
5107	Stores	IV	IV	IV	IV	IV	I	I	I	I	I
5118	Stores	IV	IV	IV	IV	I	I	I	I	I	I
5127	Stores	IV	IV	IV	IV	IV	I	I	I	I	I
5132	Shop	IV	IV	IV	IV	IV	IV	IV	I	I	I
5224	Administration	I	I	I	I	I	I	I	I	I	I
5225	Administration	I	I	I	I	I	I	I	I	I	I

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APPENDIX I-B

HUMIDITY & TEMPERATURE CONTROL REQUIREMENTS SUMMARY

LEGEND

- Class I** Environmental control to maintain comfort conditions and maintain a maximum of 60% relative humidity for sensitive parts storage as defined in AF manual 88-15, Chapters E & F.
- Class II** Same as P. 19
- Class III** Same as P. 19
- Class IV** Same as P. 19

CSA - VAFB

<u>Bldg. No.</u>	<u>Use</u>	<u>July 63</u>	<u>Oct 63</u>	<u>Jan 64</u>	<u>Apr 64</u>	<u>July 64</u>	<u>Oct 64</u>
3001	Administration	I	I	I	I	I	I
5004	Administration	I	I	I	I	I	I
5107	Stores	I	I	I	I	I	I
5118	Stores	I	I	I	I	I	I
5127	Stores	I	I	I	I	I	I
5132	Shop	I	I	I	I	I	I
5224	Administration	I	I	I	I	I	I
5225	Administration	I	I	I	I	I	I
5230	Administration	I	I	I	I	I	I
5301	Stores	IV	IV	IV	IV	IV	IV
5302	Administration	I	I	I	I	I	I

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APPENDIX I-B HUMIDITY & TEMPERATURE CONTROL REQUIREMENTS SUMMARY

Bldg. No.	Use	Feb 61	Apr 61	Jul 61	Oct 61	Jan 62	Apr 62	Jul 62	Oct 62	Jan 63	Apr 63
5230	Administration	I	I	I	I	I	I	I	I	I	I
5301	Stores	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV
5302	Administration	I	I	I	I	I	I	I	I	I	I
5303	Administration	I	I	I	I	I	I	I	I	I	I
5304	Administration	I	I	I	I	I	I	I	I	I	I
5305	Administration	I	I	I	I	I	I	I	I	I	I
5306	Shop	I	I	I	I	I	I	I	I	I	I
5308	Administration	I	I	I	I	I	I	I	I	I	I
5309	Administration	I	I	I	I	I	I	I	I	I	I
5313	Stores	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV
5314	Stores	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV
5315	Administration	I	I	I	I	I	I	I	I	I	I
5316	Stores	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV
5330	Administration	I	I	I	I	I	I	I	I	I	I
5331	Administration	I	I	I	I	I	I	I	I	I	I
5426	Shop	I	I	I	I	I	I	I	I	I	I
5430	Shop	I	I	I	I	I	I	I	I	I	I
6207	Administration	I	I	I	I	I	I	I	I	I	I
6222	Administration	I	I	I	I	I	I	I	I	I	I
6223	Administration	I	I	I	I	I	I	I	I	I	I
6224	Administration	I	I	I	I	I	I	I	I	I	I
6225	Administration	I	I	I	I	I	I	I	I	I	I
6418	Stores	I	I	I	I	I	I	I	I	I	I
6420	Stores	I	I	I	I	I	I	I	I	I	I
	Lab and Shop										
	Cert/Cal Area	II	II	II	II	II	II	II	II	II	II
	Shop & Stores Area	I	I	I	I	I	I	I	I	I	I
	Electronic Test Area	II	II	II	II	II	II	II	II	II	II
	EDPM Area	II	II	II	II	II	II	II	II	II	II
	EDPM Office Trailers										
	CSA Drawer Test Equipment										
	Shop Office Trailers										

Legend

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APPENDIX I-B

HUMIDITY & TEMPERATURE CONTROL REQUIREMENTS SUMMARY

Bldg. No.	Use	July 63	Oct 63	Jan 64	Apr 64	July 64	Oct 64
5303	Administration	I	I	I	I	I	I
5304	Administration	I	I	I	I	I	I
5305	Administration	I	I	I	I	I	I
5306	Shop	I	I	I	I	I	I
5308	Administration	I	I	I	I	I	I
5309	Administration	I	I	I	I	I	I
5313	Stores	I	I	I	I	I	I
5314	Stores	I	I	I	I	I	I
5315	Administration	I	I	I	I	I	I
5316	Stores	I	I	I	I	I	I
5330	Administration	I	I	I	I	I	I
5331	Administration	I	I	I	I	I	I
5425	Stores	I	I	I	I	I	I
5426	Shop	I	I	I	I	I	I
5427	Stores	I	I	I	I	I	I
5428	Stores	I	I	I	I	I	I
5430	Shop	I	I	I	I	I	I
6207	Administration	I	I	I	I	I	I
6222	Administration						
6223	Administration						
6224	Administration						
6225	Administration						
6418	Stores	I	I	I	I	I	I
6420	Lab and Shop						
	Shop & Stores Area	I	I	I	I	I	I
	Electronics Test Area	II	II	II	II	II	II
	EDFM Area	II	II	II	II	II	II
	EDFM Office Trailers	I	I	I	I	I	I
	C/A Drawer Test Equip.	III	II	III	III	III	III
	Shop Office Trailers	I	I	I	I	I	I

Legend

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APPENDIX I-B
HUMIDITY AND TEMPERATURE CONTROL REQUIREMENTS SUMMARY

POINT SAL - VAFB

<u>Bldg. No.</u>	<u>Use</u>	<u>Feb 61</u>	<u>Apr 61</u>	<u>Jul 61</u>	<u>Oct 61</u>	<u>Jan 62</u>	<u>Apr 62</u>	<u>Jul 62</u>	<u>Oct 62</u>	<u>Jan 63</u>	<u>Apr 63</u>
Trailer Administration Complex No. 1		I				I	I	I	I	I	I
Trailer Administration Complex No. 2							I	I	I	I	I
Warehouse No. 1 (Tidmarsh) Stores						I	I	I	I	I	I
Warehouse No. 2 (Stolte) Stores Shop							I	I	I	I	I
Storage Stores Trailer No. 1		IV				I	I	I	I	I	I
Storage Stores Trailer No. 2		IV				I	I	I	I	I	I
Storage Stores Trailer No. 3		IV				I	I	I	I	I	I
Storage Stores Trailer No. 4		IV				I	I	I	I	I	I
Storage Stores Trailer No. 5		IV				I	I	I	I	I	I
Storage Stores Trailer No. 6		IV				I	I	I	I	I	I
Office Administration Trailer No. 1 (Hardeman)		I				I	I	I	I		
Office Administration Trailer No. 2 (Construction Liaison)		I				I	I	I	I		

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APPENDIX I-B

HUMIDITY AND TEMPERATURE CONTROL REQUIREMENTS SUMMARY

POINT SAL. - VAFB

Bldg. No.	Use	July 63	Oct 63	Jan 64	Apr 64	July 64	Oct 64
Trailer Complex No. 1	Administration	I	I	I	I	I	I
Trailer Complex No. 2	Administration	I	I	I	I	I	I
Warehouse No. 1 (Tidmarsh)	Stores	I	I	I	I	I	I
Warehouse No. 2 (Stolte)	Stores Shop	I	I	I	I	I	I
Storage Trailer No. 1	Stores	I	I	I	I	I	I
Storage Trailer No. 2	Stores	I	I	I	I	I	I
Storage Trailer No. 3	Stores	I	I	I	I	I	I
Storage Trailer No. 4	Stores	I	I	I	I	I	I
Storage Trailer No. 5	Stores	I	I	I	I	I	I
Storage Trailer No. 6	Stores	I	I	I	I	I	I
Trailer Office Administration	Administration	I	I	I	I	I	I
Trailer Office Administration	Administration	I	I	I	I	I	I
Trailer Office Administration (Construction Liaison)	Administration	I	I	I	I	I	I

Legend

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4' 20

13-071-100

APPENDIX I-B

HUMIDITY & TEMPERATURE CONTROL REQUIREMENTS SUMMARY

POINT SAL - VAFB

<u>Bldg. No.</u>	<u>Use</u>	<u>Feb 61</u>	<u>Apr 61</u>	<u>Jul 61</u>	<u>Oct 61</u>	<u>Jan 62</u>	<u>Apr 62</u>	<u>Jul 62</u>	<u>Oct 62</u>	<u>Jan 63</u>	<u>Apr 63</u>
L.F. No. 1	Support Trailer							I	I	I	I
L.F. No. 2	Support Trailer							I	I	I	I
L.F. No. 3	Support Trailer							I	I	I	I
L.F. No. 4	Support Trailer							I	I	I	I
L.F. No. 5	Support Trailer							I	I	I	I
L.F. No. 6	Support Trailer							I	I	I	I
L.F. No. 8	Support Trailer							I	I	I	I

Legend

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APPENDIX I-B HUMIDITY & TEMPERATURE CONTROL REQUIREMENTS SUMMARY

POINT SAL - VAFB

Bldg. No.	Use	July 63	Oct 63	Jan 64	Apr 64	July 64	Oct 64
LP No. 02	Support Trailer	I					
LP No. 03	Support Trailer						
LP No. 04	Support Trailer						
LP No. 05	Support Trailer	I	I	I	I	I	
LP No. 06	Support Trailer						
LP No. 07	Support Trailer	I					
LP No. 08	Support Trailer	I	I	I	I	I	
LP No. 09	Support Trailer						
	Support Trailer		I	I	I	I	I

Legend

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APPENDIX I-C

UTILITIES REQUIREMENTS SUMMARY

Electric power in KVA - Regulation: Voltage + 10% frequency 60 cycles + 2 CPS.

CONTRACTOR SUPPORT AREA

Bldg. No.	Use	Service	1961		1962		1963	
			1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
5004	Administration	120/240 V.A.C.	13.2	13.2	13.2	13.2	13.2	13.2
5107	Stores	120/240 V.A.C.	8.0	8.0	8.0	8.0	8.0	8.0
5118	Stores	120/240 V.A.C.	14.1	14.1	14.1	14.1	14.1	14.1
5120	Shop	120/208 V.A.C.	45.0	45.0	45.0	45.0	45.0	45.0
5127	Administration	120/240 V.A.C.	12.0	12.0	12.0	12.0	12.0	12.0
5132	Shop	120/208 V.A.C.	20.0	20.0	20.0	20.0	20.0	20.0
5224	Administration	120/240 V.A.C.	24.5	24.5	24.5	24.5	24.5	24.5
5225	Administration	120/240 V.A.C.	24.5	24.5	24.5	24.5	24.5	24.5
5230	Administration	120/240 V.A.C.	24.5	24.5	24.5	24.5	24.5	24.5
5301	Stores	120/240 V.A.C.	8.0	8.0	8.0	8.0	8.0	8.0
5302	Administration	120/240 V.A.C.	24.5	24.5	24.5	24.5	24.5	24.5
5303	Administration	120/240 V.A.C.	24.5	24.5	24.5	24.5	24.5	24.5
5304	Administration	120/240 V.A.C.	24.5	24.5	24.5	24.5	24.5	24.5
5305	Administration	120/240 V.A.C.	24.5	24.5	24.5	24.5	24.5	24.5
5306	Shop	120/240 V.A.C.	26.0	26.0	26.0	26.0	26.0	26.0
5308	Administration	120/240 V.A.C.	29.0	29.0	29.0	29.0	29.0	29.0
5309	Administration	120/240 V.A.C.	24.5	24.5	24.5	24.5	24.5	24.5
5313	Stores	120/240 V.A.C.	13.5	13.5	13.5	13.5	13.5	13.5
5314	Stores	120/240 V.A.C.	13.5	13.5	13.5	13.5	13.5	13.5
5315	Administration	120/240 V.A.C.	26.5	26.5	26.5	26.5	26.5	26.5
5316	Stores	120/240 V.A.C.	13.5	13.5	13.5	13.5	13.5	13.5
5330	Administration	120/240 V.A.C.	20.0	20.0	20.0	20.0	20.0	20.0
5331	Administration	120/240 V.A.C.	20.0	20.0	20.0	20.0	20.0	20.0
5326	Shop	120/208 V.A.C.	100.0	100.0	100.0	100.0	100.0	100.0
5330	Shop	120/208 V.A.C.	45.0	45.0	45.0	45.0	45.0	45.0

* Emergency standby power required.

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APPENDIX I-C

UTILITIES REQUIREMENTS SUMMARY

Electric Power in KVA - Regulation; Voltage +10% Frequency 60 Cycles + 2 CPS.

CONTRACT SUPPORT AREA

Bldg. No.	Use	Service	1963		1964	
			2nd Half		1st Half	
5004	Administration	120/240 V.A.C.	13.2		13.2	13.2
5107	Stores	120/240 V.A.C.	8.0		8.0	8.0
5118	Stores	120/240 V.A.C.	14.1		14.1	14.1
5120	Shop	120/208 V.A.C.	45.0		45.0	45.0
5127	Administration	120/240 V.A.C.	12.0		12.0	12.0
5132	Shop	120/208 V.A.C.	20.0		20.0	20.0
5224	Administration	120/240 V.A.C.	24.5		24.5	24.5
* 5225	Administration	120/240 V.A.C.	24.5		24.5	24.5
5230	Administration	120/240 V.A.C.	24.5		24.5	24.5
5301	Stores	120/240 V.A.C.	8.0		8.0	8.0
5302	Administration	120/240 V.A.C.	24.5		24.5	24.5
5303	Administration	120/240 V.A.C.	24.5		24.5	24.5
5304	Administration	120/240 V.A.C.	24.5		24.5	24.5
5305	Administration	120/240 V.A.C.	24.5		24.5	24.5
5306	Shop	120/240 V.A.C.	26.0		26.0	26.0
5308	Administration	120/240 V.A.C.	29.0		29.0	29.0
5309	Administration	120/240 V.A.C.	24.5		24.5	24.5
5313	Stores	120/240 V.A.C.	13.5		13.5	13.5
5314	Stores	120/240 V.A.C.	13.5		13.5	13.5
5315	Administration	120/240 V.A.C.	26.5		26.5	26.5
5316	Stores	120/240 V.A.C.	13.5		13.5	13.5
5330	Administration	120/240 V.A.C.	20.0		20.0	20.0
5331	Administration	120/240 V.A.C.	20.0		20.0	20.0
5425	Stores	120/240 V.A.C.	20.0		20.0	20.0
5426	Shop	120/208 V.A.C.	100.0		100.0	100.0
5427	Stores	120/240 V.A.C.	20.0		20.0	20.0
5428	Stores	120/240 V.A.C.	20.0		20.0	20.0
* 5430	Shop	120/208 V.A.C.	45.0		45.0	45.0

* Emergency Standby Power Required

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APPENDIX I-C (Continued)

Bldg. No.	Use	Service	1961		1962		1963
			1st Half	2nd Half	1st Half	2nd Half	1st Half
6207	Administration	120/240 V.A.C.	20.0	20.0	20.0	20.0	20.0
6222	Administration	120/240 V.A.C.				24.5	
6223	Administration	120/240 V.A.C.				24.5	
6224	Administration	120/240 V.A.C.				24.5	
6225	Administration	120/240 V.A.C.				24.5	
6418	Stores	120/240 V.A.C.				20.0	20.0
6420	Lab	120/208 V.A.C.	122.0	122.0	122.0	122.0	122.0
		408 V.A.C.	75.0	75.0	75.0	75.0	75.0
6420	EDPM Trailers	120/240 V.A.C.				25.0	25.0
6420	Office Trailers	120/240 V.A.C.				15.0	15.0

* Individual equipments within this building requires voltage regulation $\pm 5\%$, voltage balances between phases $\pm 2\%$, harmonic content less than 7% for 3rd., 5% for 5th. and 1% for all other odd harmonics.

** Emergency standby power required.

APPENDIX I-C (Continued)

Bldg. No.	Use	Service	1963		1964	
			2nd Half		1st Half	
6207	Administration	120/240 V.A.C.	20.0		20.0	20.0
6222	Administration	120/240 V.A.C.	24.5		24.5	24.5
6223	Administration	120/240 V.A.C.	24.5		24.5	24.5
6224	Administration	120/240 V.A.C.	24.5		24.5	24.5
6225	Administration	120/240 V.A.C.	24.5		24.5	24.5
6418	Stores	120/240 V.A.C.	20.0		20.0	20.0
6420	Lab	120/208 V.A.C.	122.0		122.0	122.0
		408 V.A.C.	75.0		75.0	75.0
6420	EDPM Trailers	120/240 V.A.C.	25.0		25.0	25.0
6420	Office Trailers	120/240 V.A.C.	15.0		15.0	15.0

* Individual Equipment Within This Building Requires Regulation $\pm 5\%$, Voltage Balance Between Phases $\pm 2\%$, Harmonic Content Less Than 7% for 3rd., 5% for 5th, and 1% for all Other Odd Harmonics.

** Emergency Standby Power Required.

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APPENDIX NO. I-C (Continued)

LAUNCH AREA	Use	Service	1961		1962		1963
			1st Half	2nd Half	1st Half	2nd Half	1st Half
Trailer Complex							
No. 1 Administration		120/240 V.A.C.	15.0	15.0	15.0	15.0	15.0
Trailer Complex							
No. 2 Administration		120/240 V.A.C.			15.0	15.0	15.0
Warehouse							
No. 1 Stores		120/240 V.A.C.			10.0	10.0	10.0
(Tidmarsh Bldg.)							
Warehouse							
No. 2 Stores		120/240 V.A.C.			8.0	8.0	8.0
(Stolte Bldg.) Shop							
Storage Trailer							
No. 1 Stores		120/240 V.A.C.	3.0	3.0	3.0	3.0	3.0
Storage Trailer							
No. 2 Stores		120/240 V.A.C.	3.0	3.0	3.0	3.0	3.0
Storage Trailer							
No. 3 Stores		120/240 V.A.C.	3.0	3.0	3.0	3.0	3.0
Storage Trailer							
No. 4 Stores		120/240 V.A.C.	3.0	3.0	3.0	3.0	3.0
Storage Trailer							
No. 5 Stores		120/240 V.A.C.	3.0	3.0	3.0	3.0	3.0
Storage Trailer							
No. 6 Stores		120/240 V.A.C.	3.0	3.0	3.0	3.0	3.0
Office Trailer							
No. 1 Administration		120/240 V.A.C.	7.0	7.0	7.0	7.0	7.0
(Hardenan)							
Office Trailer							
No. 2 Administration		120/240 V.A.C.	7.0	7.0	7.0	7.0	7.0
(Construction Liaison)							
Launch Support							
L.F. 1 Administration		120/208 V.A.C.			15.0	15.0	15.0
Launch Support							
L.F. 2 Administration		120/208 V.A.C.			15.0	15.0	15.0
Launch Support							
L.F. 3 Administration		120/208 V.A.C.			15.0	15.0	15.0

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APPENDIX NO. I-C (Continued)

<u>LAUNCH AREA</u>	<u>Use</u>	<u>Service</u>	<u>1963</u>		<u>1964</u>	
			<u>2nd Half</u>		<u>1st Half</u>	
Trailer Complex						
No. 1	Administration	120/240 V.A.C.	15.0		15.0	15.0
Trailer Complex						
No. 2	Administration	120/240 V.A.C.	15.0		15.0	15.0
Warehouse						
No. 1	Stores	120/240 V.A.C.	10.0		10.0	10.0
(Tidmarsh Bldg.)						
Warehouse						
No. 2	Stores	120/240 V.A.C.	15.0		15.0	15.0
(Stolte Bldg)	Shop					
Storage Trailer						
No. 1	Stores	120/240 V.A.C.	3.0		3.0	3.0
Storage Trailer						
No. 2	Stores	120/240 V.A.C.	3.0		3.0	3.0
Storage Trailer						
No. 3	Stores	120/240 V.A.C.	3.0		3.0	3.0
Storage Trailer						
No. 4	Stores	120/240 V.A.C.	3.0		3.0	3.0
Storage Trailer						
No. 5	Stores	120/240 V.A.C.	3.0		3.0	3.0
Storage Trailer						
No. 6	Stores	120/240 V.A.C.	3.0		3.0	3.0
Office Trailer						
No. 1	Administration	120/240 V.A.C.	3.0		3.0	3.0
(Hardeman)						
Office Trailer						
No. 2	Administration	120/240 V.A.C.				
(Construction Liaison)						
Launch Support						
LP 02	Administration	120/208 V.A.C.				
Launch Support						
LP 03	Administration	120/208 V.A.C.				
Launch Support						
LP 04	Administration	120/208 V.A.C.				

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APPENDIX NO. I-C (Continued)

<u>LAUNCH AREA</u>	<u>Use</u>	<u>Service</u>	<u>1961</u>		<u>1962</u>		<u>1963</u>
			<u>1st Half</u>	<u>2nd Half</u>	<u>1st Half</u>	<u>2nd Half</u>	<u>1st Half</u>
Launch Support							
L.F. 4	Administration	120/208 V.A.C.			15.0	15.0	15.0
Launch Support							
L.F. 5	Administration	120/208 V.A.C.			15.0	15.0	15.0
Launch Support							
L.F. 6	Administration	120/208 V.A.C.			15.0	15.0	15.0

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APPENDIX NO. I-C (Continued)

<u>LAUNCH AREA</u>		<u>Use</u>	<u>Service</u>	<u>1963</u> <u>2nd Half</u>	<u>1964</u> <u>1st Half</u>	<u>1964</u> <u>2nd Half</u>
Launch Support	LP 05	Administration	120/208 V.A.C.	15.0		
Launch Support	LP 06	Administration	120/208 V.A.C.			
Launch Support	LP 07		120/208 V.A.C.	15.0		
Launch Support	LP 08	Administration	120/208 V.A.C.	15.0	15.0	15.0
Launch Support	LP 09	Administration	120/208 V.A.C.		15.0	15.0

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APPENDIX I-D

WATER REQUIREMENTS SUMMARY

	<u>Feb 61</u>	<u>Apr 61</u>	<u>Jul 61</u>	<u>Oct 61</u>	<u>Jan 62</u>	<u>Apr 62</u>	<u>Jul 62</u>	<u>Oct 62</u>	<u>Jan 63</u>	<u>Apr 63</u>
A. Maximum demand in GPM all water potable unless otherwise stated.										
1. CSA - VAFB	550	700	700	700	700	800	800	800	700	700
2. Point Sal Launch Area, Non-Potable				50	50	50	50	50	50	50
B. Total Use in GPM										
1. CSA - VAFB	65	100	100	100	100	110	110	110	100	100
2. Point Sal Launch Area, Non-Potable				2	2	2	2	2	2	2

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APPENDIX I-D
WATER REQUIREMENTS SUMMARY

	<u>July 63</u>	<u>Oct 63</u>	<u>Jan 64</u>	<u>Apr 64</u>	<u>July 64</u>	<u>Oct 64</u>
A. Maximum Demand in GPM all water potable, unless otherwise stated						
1. CSA - VAPB	800	700	800	800	800	800
2. Point Sal Launch Area Non-Potable	50	50	50	50	50	50
B. Total Use in GPM						
1. CSA - VAPB	110	100	110	110	110	110
2 Point Sal Launch Area, Non-Potable	2	2	2	2	2	2



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10-491-1-100

APPENDIX I-B

NATURAL GAS REQUIREMENTS SUMMARY - PEAK DEMAND IN CFH

Bldg. No.	Use	Feb 61	Apr 61	Jul 61	Oct 61	Jan 62	Apr 62	Jul 62	Oct 62	Jan 63	Apr 63
5004	Administration	200	100	0	100	200	100	0	200	200	200
5107	Stores	0	0	0	0	0	50	0	50	75	50
5118	Stores	0	0	0	0	75	50	0	50	75	50
5127	Stores	0	0	0	0	0	50	0	50	75	50
5132	Shop	0	0	0	0	0	0	0	50	75	50
5224	Administration	150	100	50	100	150	100	50	100	150	100
5225	Administration	150	100	50	100	150	100	50	100	150	100
5230	Administration	150	100	50	100	150	100	50	100	150	100
5301	Stores	0	0	0	0	0	0	0	0	0	0
5302	Administration	150	100	50	100	150	100	50	100	150	100
5303	Administration	150	100	50	100	150	100	50	100	150	100
5304	Administration	150	100	50	100	150	100	50	100	150	100
5305	Administration	150	100	150	100	150	100	50	100	150	100
5306	Shop	75	30	0	30	75	50	30	50	75	50
5308	Administration	150	100	50	100	150	100	50	100	150	100
5309	Administration	150	100	50	100	150	100	50	100	150	100
5313	Stores	0	0	0	0	0	0	0	0	0	0
5314	Stores	0	0	0	0	0	0	0	0	0	0
5315	Administration	75	30	0	50	75	30	0	50	75	30
5316	Stores	0	0	0	0	0	0	0	0	0	0
5330	Administration	150	100	0	100	150	100	0	100	150	100
5331	Administration	150	100	0	100	150	100	0	100	150	100
5426	Shop	75	30	0	50	75	30	0	50	75	30
5430	Shop	75	30	0	50	75	30	0	50	75	30
6207	Administration	150	100	0	100	150	100	0	100	150	100
6222											
6223											
6624											
6225											
6418											
6420											
			200	100	200	300	150	0	150	200	150
											200

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APPENDIX I-E
NATURAL GAS REQUIREMENTS SUMMARY - PEAK DEMAND IN CFH

Bldg. No.	Use	July 63	Oct 63	Jan 64	Apr 64	July 64	Oct 64
5004	Administration	25	100	200	100	25	100
5107	Stores	25	50	50	50	25	50
5118	Stores	25	50	50	50	25	50
5127	Stores	25	50	50	50	25	50
5132	Shop	25	50	50	50	25	50
5224	Administration	50	100	150	100	50	100
5225	Administration	50	100	150	100	50	100
5230	Administration	50	100	150	100	50	100
5301	Stores	25	50	50	50	25	50
5302	Administration	50	100	150	100	50	100
5303	Administration	50	100	150	100	50	100
5304	Administration	50	100	150	100	50	100
5305	Administration	150	100	150	100	50	100
5306	Shop	0	30	75	50	30	50
5308	Administration	50	100	150	100	50	100
5309	Administration	50	100	150	100	50	100
5313	Stores	25	50	50	50	25	50
5314	Stores	25	50	50	50	25	50
5315	Administration	25	50	50	50	25	50
5316	Stores	25	50	50	50	25	50
5330	Administration	50	100	150	100	50	100
5331	Administration	50	100	150	100	50	100
5425	Stores	25	50	50	50	25	50
5426	Shop	25	50	75	30	25	50
5427	Stores	25	50	50	50	25	50
5428	Stores	25	50	50	50	25	50
5430	Shop	25	50	75	30	25	50
6207	Administration	50	100	150	100	50	100
6222		50	100	150	100	50	100
6223		50	100	150	100	50	100
6224		50	100	150	100	50	100
6225		50	100	150	100	50	100
6418		50	100	150	100	50	100
6420		100	200	300	200	50	200

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APPENDIX I-P

OCCUPANCY DURATION

Item No.	Type of Facility	Acquisition Date	Boeing Occupied Through		
			Wing I	Wing II	Wing III - V
<u>Weapon System Facility</u>					
1.	Launcher Facility (HAD) No. 02, 03, 04, 06	Feb. 1962	June 1963		
2.	Launcher Facility (HAD) No. 07	March 1962		Nov. 1963	
3.	Hard LCC Facility (HAD) No. 01A	Jan. 1962	June 1963	Nov. 1963	July 1964
4.	Hard LCC Facility (HAD) No. 01E	March 1963			July 1964
5.	Launcher Facility (HAD) No. 05	Jan. 1963	June 1964		
6.	Launcher Facility (HAD) No. 08	March 1963			July 1964
7.	Launcher Facility (HAD) No. 09	Feb. 1964			Sept. 1964
8.	ORT/CTL Maintenance Bldg.	April 1962	June 1963		
9.	Missile Unloading Facility - Railhead (RAD)	April 1962	June 1963	Oct. 1964	July 1964
10.	Transporter-Erector and SSCM Transient Storage Facility	April 1962	June 1963	Oct. 1964	July 1964
11.	Transporter-Erector and SSCM Transient Storage Facility	April 1962	June 1963		
12.	Missile Storage Facility	April 1962	June 1963	Aug. 1963	July 1964
13.	Missile Storage Facility	April 1962	June 1963	Oct. 1963	
14.	Destruct Package Installation Facility	Jan. 1962	June 1963	Oct. 1963	July 1964
* Required to refurbish facility.					

* Required to refurbish facility.

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APPENDIX I-P

OCCUPANCY DURATION

Item No.	Type of Facility	Acquisition Date	Boeing Occupied Through		
			Wing I	Wing II	Wing III-V
15.	Destruct Package Installation Facility	Jan. 1962	June 1963	Oct. 1963	
16.	LCC Training Building	March 1962	August 1963		
17.	Soft Launch Control Center No. OLC	March 1962	June 1963		
18.	Soft Launch Control Center No. OLB	March 1962	June 1963	Oct. 1963	
<u>CSA Facilities</u>					
19.	5303 Administration	May 1961	June 1963	Nov. 1963	Oct. 1964
20.	5224 Administration	May 1961	June 1963	Nov. 1963	Oct. 1964
21.	5225 Administration	May 1961	June 1963	Nov. 1963	Oct. 1964
22.	5306 Support Services	May 1961	June 1963	Nov. 1963	Oct. 1964
23.	5118 Treasury Report	May 1961	June 1963	Nov. 1963	Oct. 1964
24.	5107 Vitting	May 1961	June 1963	Nov. 1963	Oct. 1964
25.	6418 Receiving Inspection	April 1961	June 1963	Nov. 1963	Oct. 1964
26.	5302 Program Control	May 1961	June 1963	Nov. 1963	Oct. 1964
27.	5304 Administration	May 1961	June 1963	Nov. 1963	Oct. 1964
28.	5305 Administration	May 1961	June 1963	Nov. 1963	Oct. 1964
29.	5230 Administration	May 1961	June 1963	Nov. 1963	Oct. 1964

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APPENDIX I-P

OCCUPANCY DURATION

Item No.	Type of Facility	Acquisition Date	Boeing Occupied Through		
			Wing I	Wing II	Wing III-V
30.	5127 Production Control	May 1961	June 1963	Nov. 1963	Oct. 1964
31.	5132 Carpenter Shop	May 1961	June 1963	Nov. 1963	Oct. 1964
32.	5313 Storage	May 1961	June 1963	Nov. 1963	Oct. 1964
33.	5301 Stationary Stores	May 1961	June 1963	Nov. 1963	Oct. 1964
34.	5314 Storage	May 1961	June 1963	Nov. 1963	Nov. 1964
35.	5315 Storage	May 1961	June 1963	Nov. 1963	Oct. 1964
36.	5316 Storage	May 1961	June 1963	Nov. 1963	Oct. 1964
37.	5446 Storage		June 1963	Nov. 1963	Oct. 1964
38.	5120 Assembly & Checkout	May 1961	June 1963	Nov. 1963	Oct. 1964
39.	5426 Mech. Support Shop	May 1961	June 1963	Nov. 1963	Oct. 1964
40.	5430 Handling Equip. Maintenance Shop	May 1961	June 1963	Nov. 1963	Oct. 1964
41.	6420 Electronic Maintenance Functional Test & Data Processing	May 1961	June 1963	Nov. 1963	Oct. 1964
42.	5308 Administration	March 1962	June 1963	Nov. 1963	Oct. 1964
43.	5309 Administration	March 1962	June 1963	Nov. 1963	Oct. 1964
44.	6207 Administration	March 1962	June 1963	Nov. 1963	Oct. 1964

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APPENDIX I-P

OCCUPANCY DURATION

Item No.	Type of Facility	Acquisition Date	Boeing Occupied Through		
			Wing I	Wing II	Wing III-V
45.	6222 Administration	March 1962	June 1963	Nov. 1963	Oct. 1964
46.	6223 Administration	March 1962	June 1963	Nov. 1963	Oct. 1964
47.	6224 Administration	March 1962	June 1963	Nov. 1963	Oct. 1964
48.	6225 Administration	March 1962	June 1963	Nov. 1963	Oct. 1964
49.	5004 Training	Jan. 1962	June 1963	Nov. 1963	Oct. 1964
50.	Tidmarsh Building	March 1962	June 1963	Nov. 1963	Oct. 1964
51.	Stolte Building	April 1962	June 1963	Nov. 1963	Oct. 1964
52.	5330 Administration	March 1962	June 1963	Nov. 1963	Oct. 1964
53.	5331 Administration	April 1962	June 1963	Nov. 1963	Oct. 1964
54.	5425 Storage	March 1963		Nov. 1963	Oct. 1964
55.	5427 Storage	April 1963		Nov. 1963	Oct. 1964
56.	5428 Storage	April 1963		Nov. 1963	Oct. 1964

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CHAPTER II
COMMUNICATIONS

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CHAPTER II

COMMUNICATIONS

1.0 GENERAL

This chapter describes the communications required for the WS-133 program at VAFB. The administrative telephone network will be provided for the purpose of coordination and support of the program and will be furnished by the Air Force except as noted in Appendix II-A. The technical test program requirements of the Launch Area and Range are defined separately in Document GM-60-0000-33710 (Program Requirements Document) which is annexed to this Document for the purposes of defining the technical support requirements of the Contractor, its Associate Contractors and sub-contractors.

1.1 ON-BASE TELEPHONE SERVICE

The Air Force will be responsible for installation and maintenance of on-base telephone service which includes the Boeing toll switchboard and associated equipment and the outside cable plant including access to the Surf Exchange.

1.2 OFF-BASE SERVICE

The Contractor will be responsible to provide through BSD and commercial organizations all off-base facilities such as closed-circuit television, facsimile, teletype, data transmission, public address and key telephone systems (see Appendix II-A). The Air Force will be responsible for providing the on-base cable plant associated with the above services.

1.3 ASSOCIATE CONTRACTOR REQUIREMENTS

Associate Contractor telephone requirements will be supported by Boeing and in addition Boeing will provide teletype service for Associate Contractors that do not have their own machines otherwise, the Associate Contractors will provide all other communication equipment which they may require.

1.4 ON-BASE TELEPHONES

Appendix II-B lists the specific on-base administrative telephone requirements for support of the WS-133A program.

APPENDIX II-A
COMMUNICATIONS

Communications pertinent to The Boeing Company at VAFB consist of the following:

Item No.	Service	Service Paid By	Remarks
1	Facsimile	Boeing	1 line as of June 1962 2 lines at peak
2	TWX	Boeing	4 machines (See General Note)
3	Data Phones	Boeing	2 lines (See General Note)
4	Long Distance Phone	Boeing	See General Note
5	Leased Telephone Line	AF prior to 6-18-62 Boeing 6-18-62 and after	See General Note
6	Local Telephone and the Base portion of Santa Maria and Lompoc trunks for the Boeing switchboard.	VAFB	See Appendix II-B

GENERAL NOTE: For TWX, data phone, leased line and long distance Base communications provides the physical cable pairs from various points on Base to interface point which is the central office of the General Telephone Company.

APPENDIX II-B (Continued)

TELEPHONE

<u>Building</u>	<u>AIR FORCE SYSTEM</u>		<u>K. T. SYSTEM</u>	
	<u>Present</u> <u>Lines</u> <u>Sta.</u>	<u>Peak</u> <u>Lines</u> <u>Sta.</u>	<u>Present</u>	<u>Peak</u>
3001	1 1	2 2	These phones are inclusive not additive.	
5004	1 1	3 4		
5107	1 1	3 3		
5118	4 7	4 8		
5120	1 3	2 4		
5127	8 15	9 16	1	1
5132	1 1	2 2		
5224	21 47	25 50	3	3
5225	65 34	80 37	3	4
5230	17 34	20 40	1	2
5301	1 3	2 3		
5302	24 36	26 38	3	4
5303	23 25	24 30	6	6
5304	15 35	20 35	3	4
5305	13 45	20 48	6	6
5306	6 9	6 12	0	1
5308	21 44	25 48	2	4
5309	24 48	25 48	1	4
5313	3 7	3 7	1	1
5314	2 5	2 5	1	1
5315	4 8	4 10	1	1
5316	1 4	2 4		
5328	6 9	6 12		1
5329	2 6	3 6		
5330	12 33	16 35	3	3
5331	8 15	20 35	1	2
5426	3 5	4 5		
5430	5 9	6 10		
6207	4 12	6 16		2
6222	12 27	20 40	1	4
6223	15 36	20 40	4	4
6224	11 33	20 40	1	2
6225	19 33	20 40	3	4
6418	6 13	8 15	1	1
6420	18 37	20 40	1	2
6601	8 10	10 12		
<u>Trailers</u>				
Point Sal				
Trailer Complex	64 115	100 200	0	10
L.F. 02	0 0			
03	0 0			
04	1 2			
05	5 6	8 12		
06	2 2	8 12		
07	5 6	8 12		
08	2 2	8 12		

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APPENDIX II-B (Continued)

TELEPHONE

<u>Building</u>	<u>Present</u>		<u>Peak</u>		<u>Present</u>	<u>Peak</u>
	<u>Lines</u>	<u>Sta.</u>	<u>Lines</u>	<u>Sta.</u>		
Trailers "Y"	13	13	18	25		
Storage Area HLCC 01-E	1	2	8	12		
	6	6	6	6		
	2	15	6	15		
5425	1	2	1	2		
5427	1	1	1	1		
5428	3	6	3	6		
Totals	196	862	665	1112	47	77



CHAPTER III
GENERAL SERVICES

63-48711-880



CHAPTER III - GENERAL SERVICES

GENERAL

1.0 SCOPE

This chapter outlines and specifies the support services for the WS-133A program which are usually available or utilized in the operation of a military establishment or Air Force Base. For the purpose of clarity, services shall fall in the following categories.

1.1 TRANSPORTATION

The Air Force will provide transportation services to the Contractor for personnel and materials between the WS-133A test program facility locations and Air Force facilities. Supplementary transportation services in the form of handling explosives and fuels will be undertaken by the Air Force. Transportation requirements are specified in Section 1.

1.2 RECEIVING/SHIPPING SUPPORT

Section 2 describes cargo facilities and cargo loading and unloading support.

1.3 HOUSEKEEPING SUPPORT

Section 3 describes housekeeping support and covers the services of maintenance and janitorial support.

1.4 INDUSTRIAL RELATIONS SUPPORT

Section 4 describes Industrial Relations support and covers such services as security, medical, food service, etc.

1.5 CALIBRATION/CERTIFICATION SUPPORT

Section 5 describes Calibration Support and covers the Calibration/Certification of working standards, chemical lab support, etc.

1.6 REPRODUCTION/DOCUMENT SUPPORT

Section 6 describes Reproduction, photographic, printing, document and technical library support.

SECTION 1

TRANSPORTATION

1.0 GENERAL

The Contractor will provide general transportation services for Contractor personnel and equipment in support of the WS-133A program at VAFB and various related locations.

1.1 CONTRACTOR-ASSIGNED VEHICLES

Material Handling equipment (cranes, fork lift trucks and special truck tractors) will be provisioned through Special Facilities Contract AF O4 (647)-678. The Contractor will provide all fuels, lubricants, repairs and maintenance for this equipment. Personnel-carrying vehicles and trucks will be provided through lease in accordance with the provisions of Contract AF O4 (647)-757. All VAFB vehicles are listed in Appendix IIIA.

The leased vehicles are acquired from two different sources: the personnel-carrying vehicles (sedans and station wagons) and the light-duty trucks (1/2 ton pickups) are acquired by sub-lease from the VAFB Contractor-operated Consolidated Motor Pool for contractors by ACO direction. All fuel, lubricants, repairs and maintenance are furnished as part of the lease costs; the medium and heavy-duty materials transportation vehicles are leased on a long-term lease agreement negotiated for all Minuteman installations. All fuels, lubricants, repairs and maintenance for these vehicles are provided by the Contractor.

1.2 ON-CALL VEHICLES

The Air Force will provide emergency and/or short-term use vehicles and equipment as requested by the Contractor which will include fire engines, ambulances, cranes, and other special use vehicles. For emergency type vehicles, drivers will be supplied by the Air Force and for all other type vehicles, the Air Force will supply drivers if available, otherwise the Contractor will provide Government-licensed drivers as required.

1.3 TAXI SERVICE

The Air Force (BSD) has contracted a taxi service for all CPFF contractors on VAFB to eliminate all individual contractor-operated bus services. The monthly charges accrued through this service are chargeable to Contract AF O4 (647)-757.

1.4 ASSOCIATE CONTRACTOR SUPPORT

Truck-type transportation will be provided for all associate contractors by Boeing. Passenger vehicle checkout authority will be provided for all associate contractors with the exception of AVCO and Autonetics, who will provide and operate their own passenger vehicles. Boeing will arrange for maintenance of all vehicles checked out to authorized associate contractors. Boeing will pay taxi charges for all associate contractors with the exception of AVCO and Autonetics.

SECTION 2

RECEIVING AND SHIPPING SUPPORT

1.0 GENERAL

The Air Force will allow the use of Vandenberg AFB transportation terminal sites for receipt and dispatch of materials and equipment also, the Air Force and Contractor will assume cargo handling responsibilities for test program support.

1.1 RECEIVING/SHIPPING

The Air Force will make available to the Contractor the Vandenberg AFB air strip to receive and disburse air shipments by both military and non-military aircraft. In addition, the Vandenberg AFB 1st Missile Division will load and unload all military aircraft. The Contractor will load and unload all non-military aircraft provided the cargo is consigned to the Contractor and/or Associate Contractors. The Air Force will also make available for use by the Contractor, the railheads and areas adjacent thereto for shipping and receiving functions. The Air Force shall load and unload all railroad cars not completely consigned to the contractor or the Associate Contractors.

The Contractor's shipping and receiving department will support the Associated Contractors by handling all Associate Contractor owned property (except Avco) when consigned to and from Vandenberg (transportation costs will be borne by the Associate Contractors).

1.2 TRAFFIC CONTROL

The Air Force will administer all shipments on Government Bill of Lading (GBL) which includes the issuance of GBL's and the receiving and release of shipments to carriers.



SECTION 3

HOUSEKEEPING SUPPORT

1.0 GENERAL

The Air Force will provide maintenance of real property assigned to the Contractor, its Associate Contractors and sub-contractors.

1.1 BUILDING AND GROUNDS MAINTENANCE

The Air Force will provide for normal repair, maintenance and modification of all buildings and plumbing, lighting, heating and air conditioning located at all facilities used by the Contractor and Associated Contractors. The Air Force will also provide grounds and landscape maintenance such as trimming of grass and removal of debris from parking areas.

1.2 JANITORIAL AND TRASH REMOVAL SUPPORT

The Air Force will provide janitorial services for the policing of parking areas, the washing of building windows (exterior surface) and the removal of trash from the Contractor facilities, as well as providing for adequate trash containers.

1.3 ASSOCIATE CONTRACTORS SUPPORT

The Air Force will provide service indential to that described in paragraph 1.1 and 1.2 above for the facilities occupied by Associate Contractor personnel. Boeing will provide interior janitorial and housekeeping service for Associate Contractor occupied buildings (except Avco).

SECTION 4

INDUSTRIAL RELATIONS SUPPORT

1.0 GENERAL

This chapter will contain the requirements of Industrial Relations in the area of Base Support required from the Air Force and will indicate those services to be extended to the Associate Contractors.

1.1 SECURITY

1.1.1 - GENERAL

- A. The Base Commander, VAFB, is responsible for security and law enforcement activities on the base. The Boeing Company, through its Security Section, will be responsible for coordination with the Base Deputy Commander for Security and Law Enforcement (BDCL) on behalf of all Associate Contractors (except Avco) to assure uniform application of policies in regard to facility security. Avco will be responsible for coordination with BDCL to define security requirements for the Re-entry Vehicle (R/V) and the Munitions Facility.
- B. The Boeing Company is responsible for the security of facilities occupied by the Associate Contractors (except Avco), including securing bulky classified material that is not easily stored in safes or cabinets.
- C. Each Associate Contractor is responsible for safeguarding classified matter while in their use and for classified matter that can be secured in safes or cabinets to which access can be controlled by the Associate Contractor concerned.

1.1.2 SECURITY CLEARANCE

- A. Each Associate Contractor will initiate action through the cognizant military security office of its home location to obtain a facility security clearance for the on-base activities of the Associate Contractor. (It is the announced policy of BDCL that all contractors, regardless of number of personnel or functions in a program, must have a facility security clearance for operations on VAFB.)
- B. Each of the other Associate Contractors will advise the Boeing Security Section at VAFB in writing of the facility security clearance status of its on-base facility and identify the Associate Contractor representative responsible for security matters.

1.1.3 - PERSONNEL SECURITY CLEARANCE

Associate Contractors will provide Boeing with security clearance for personnel assigned to or visiting Minuteman facilities, in accordance with paragraph 28c of the Department of Defense Industrial Security Manual. This information will be furnished in writing by the Associate Contractor home plant security organization or on-base facility security representative to:

The Boeing Company
P. O. Box 607
Santa Maria, California

Attention: Security Section

1.1.4 IDENTIFICATION

- A. SAC Form 300, Missile Site Activation Badges, will be used in accordance with base requirements, to identify all Associate Contractor personnel assigned to the Minuteman Project at VAFB. The badge form is color coded to reflect the holder's personnel security clearance and is numerically coded to indicate the areas to which the holder is authorized access. The SAC 300 badges will be the only badge that will be recognized for access to the Point Sal launch area facility or in classified areas in the Contract Support Area (the SAC Form 300 badge does not apply to the Munitions Facility). Access to Avco's area in the Munition Facility will be arranged by Avco.
- B. The SAC Form 300 badges will be worn by all Associate Contractor personnel on outer clothing at all times when in Minuteman facilities on the base. The badge will be removed from the outer clothing when outside Minuteman facilities.
- C. Application for SAC Form 300 badges will be prepared by the Boeing Security Section upon request of the other Associate Contractors on SAC Form 392, "Request for and Approval of Pass or Identification Credential." Boeing will take identification photographs and forward badge requests through the Base Industrial Security Office (BDCL-I) to the Base Police Flight (Pass and Identification Section) for processing. Completed badges will be distributed by Boeing to the Associate Contractors security officers, who will execute receipts to Boeing.
- D. The loss, theft, or damage of a SAC Form 300 badge will be reported to the Boeing Security Section. Boeing will be responsible for making necessary reports to the Base Police Flight. Replacement badges will be processed in the same manner as an initial request for a badge.

- E. The use of the SAC Form 300 badge does not preclude the use of Company badges by each Associate Contractor to further identify its personnel. Company badges will, however, be valid for use only in the unclassified portion of the Contractor Support Area.
- F. Boeing will obtain a sufficient number of SAC Form 300 visitor badges from the Base Police Flight for issuance, as required, to visitors to Associate Contractors (except Avco).
- G. The SAC Form 300 badge will be surrendered to the Boeing Security Section(1) when replaced by a like credential, (2) when the individual to whom issued is transferred or terminated, or (3) upon completion of the business that was the basis of issue.
- H. The Boeing Security Section will maintain accountability records and accomplish inventories required by the Base.

1.1.5 ACCESS TO CLASSIFIED MATTER

- A. Associate Contractors will release classified matter to other Associate Contractors in accordance with the security procedures of the releasing Associate Contractor.
- B. Associate Contractors having a requirement for classified data originated by Boeing or maintained by Boeing file organizations or record stations will make their requests for such data to the Boeing Engineering Test Program Manager, except that Associate Contractor personnel may withdraw classified data originated from their company from the file organization and record stations. The request must indicate whether the material is required on a loan or a permanent-issue basis. Upon approval of the Boeing Engineering Test Program Manager, the data will be released to the Associate Contractor in accordance with Boeing security procedures.

1.1.6 PHYSICAL SECURITY

- A. The Boeing Company will provide security cabinets to Associate Contractors (except Avco) for storage of classified information.

The cabinets and other physical items required in connection with security are based on Boeing standards that meet the requirement of the Department of Defense Industrial Security Manual.

- B. Security guards will be furnished by the Air Force or by Boeing, as required, for the protection of property and supplies, including classified areas. Associate Contractors (except Avco) having special requirements for security guards will arrange with the Boeing Security Section for such services sufficiently in advance of the requirement to assure proper support.

1.1.7 SECURITY INSPECTIONS - INVESTIGATIONS

- A. Associate Contractors are subject to security inspection by representatives of the Base Deputy Commander for Security and Law Enforcement as the military activity exercising security cognizance of Contractor facilities on the Base. In this connection, Associate Contractors must coordinate any recommendations of EDCL personnel that affect Boeing operations with the Boeing Security Section.
- B. Security violations or irregularities concerning Boeing-assigned facilities will be coordinated with Boeing for investigation and appropriate disposition. Violations in areas controlled by Avco will be reported to the Avco senior representative. The results of any investigation, which require action on the part of Associate Contractors, will be coordinated with the senior representative of the Associate Contractor concerned.

1.2 FIRE PROTECTION

USAF is responsible for providing and maintaining fire protection equipment in all Contractor-occupied areas. Associate Contractors will identify any peculiar fire hazards requiring special attention and coordinate their requirements with the Boeing Security Section. Coordination with appropriate base activities as to such needs, will be accomplished by Boeing Security Section, except in Avco's area.

Each Associate Contractor will be responsible for complying with base fire regulations and such other procedures as defined by Boeing for the protection of Contractor areas. Avco will coordinate with USAF on requirements or special procedures for fire protection in the Munitions Facility.

1.3 MEDICAL SERVICES

- A. USAF will provide Associate Contractor employees with initial medical care for on-site medical emergencies, referring definitive care to appropriate civilian medical facilities. This will include on-site (both CSA and Launch Sites) ambulance service



and temporary emergency hospitalization at VAFB. Non-industrial conditions will not be treated by the Air Force, except emergencies. Boeing will provide first-aid cabinets in designated buildings in the CSA and at the Launch Sites for use by all Associate Contractors. Avco will provide first-aid kits in the Munitions Facility.

- B. The Associate Contractors are responsible for their medical arrangements with doctors and hospitals located in Santa Maria and Lompoc, California, or elsewhere.

1.4 SAFETY

- A. The VAFB safety program is a joint responsibility of all Associate Contractors. Each must comply with Air Force general safety rules and regulations for industrial and missile safety and with the additional safety rules and regulations approved by the Safety Working Group.
- B. Contractor will support the safety working group to the extent set forth in Contract APO4(647)-757.

1.5 FOOD SERVICE

- A. USAF is responsible for providing food service on the base for Contractor and Associate Contractor personnel. This service will consist of the following:
- 1) Public restaurant in the 7300 block of the industrial area;
 - 2) The mobile food service, which will service the associate contractors' facilities and the launch area on a scheduled basis;
 - 3) The BX cafeteria open to Associate-Contractor personnel;
 - 4) The NCO Club available to authorized personnel;
 - 5) The officers' club available to authorized personnel on a limited basis.
 - 6) Machine-type food dispensers are available through BX cafeteria.

1.6 EMPLOYEE BENEFITS

- A. USAF will allow the following base benefits to Contractor and Associate Contractor personnel;
- 1) BX - Food Service only.
 - 2) Recreation - Gymnasium and baseball park facilities for league play.
 - 3) Bank and Post Office - Unlimited.
 - 4) Service Station and Garage - Emergency only.
 - 5) Religious Service - Unlimited
 - 6) Officers' Open Mess - Limited Membership.
 - 7) Non-commissioned Officers' Club - Limited Membership.
 - 8) Airmens' Club - Limited Membership.
 - 9) Golf Club - Limited Membership
 - 10) Library - Limited privileges

1.7 TRAINING

- A - 1. Films - For special requirements.
2. Classes - Off-duty education available to all Contractor personnel.

1.8 MOTOR VEHICLE CONTROL

Each Associate Contractor employee will be responsible for complying with Base regulations as to registration of privately owned vehicles and operation of vehicles on the Base. Violations involving Associate Contractor-leased vehicles will be referred to the senior representative of the Associate Contractor concerned. Parking will be permitted only in designated parking areas.



SECTION 5
CALIBRATION AND CERTIFICATION

1.0 GENERAL

The Contractor will be provided calibration and certification services at Vandenberg AFB for contractor and associate contractor general test and weapons system equipment.

1.1 LABORATORY SUPPORT

The Air Force will provide petroleum and chemical laboratory analysis service as may be required by the contractor, the associate contractors and sub-contractor. In addition, the Air Force will provide X-Ray laboratory service. The Air Force will also provide calibration and certification services for such test equipment as torque wrenches, spring scales, digital volt meters, etc., for which the contractor does not have the capability of performing.

1.2 USE OF PMEL

The Air Force will provide calibration and certification service in the base precision measurement electronics laboratory (PMEL) on a regularly scheduled basis up to their capability. Items beyond their capability will be sent out for service by the contractor at no cost to the contractor.

SECTION 6

REPRODUCTION/DOCUMENT SUPPORT

1.0 GENERAL

The Contractor will provide for the normal reproduction requirements of the Contractor and Associate Contractors in support of the WS-133A program. The Air Force will provide reproduction support to alleviate critical overload or backlog conditions as well as the processing of special or unusual reproduction requirements.

1.1 TECHNICAL LIBRARY SERVICES

The Air Force will supply the Contractor, the Associates and Sub-Contractors with whatever military specifications, technical orders, federal specifications and federal catalogs as may be required in the support of the WS-133A program. Such documentation shall be supplied upon request and in the quantities deemed necessary for adequate support.

1.2 PHOTOGRAPHIC SUPPORT

The Air Force will provide the Contractor's and (Associate Contractor's See Paragraph 1.2.1) administrative and technical photographic support requirements. The technical photographic requirements are as listed in the Program Requirements Document, GM 60-0000-33710, Secret classification. The administrative requirements include, but are not limited to, the photography of equipment, real property, facility layout boards, program control charts and such emergency situations as fire, accidents and damaged in transit equipment. Such support will be provided including the developmental process on a 24-hour on call basis as deemed necessary by the Contractor. In addition, the Contractor will be permitted to operate and maintain a limited photographic reproduction facility for the purpose of providing photographic services including the taking and reproduction of pictures. In the event photographic support requirements cannot be provided on a timely basis, then the Contractor will be allowed to furnish such items at no cost to the Contractor.

1.2.1 ASSOCIATE CONTRACTOR PHOTOGRAPHIC SUPPORT

The Contractor will support the Associate Contractor's technical and administrative photographic requirements to the extent as follows: The Associate Contractors will transmit all photographic requests to the Contractor's Photographic Coordinator who will coordinate these requirements with the 6595th Aero-Space Test Wing. The latter agency shall then provide the photographic needs upon request.



1.3 SCHEDULE SUPPORT

The Air Force will provide the Contractor program schedules for projects under taken by Air Force Subcontractors, Corps of Engineers, etc. which effect Boeing's effort at VAFB.

1.4 BLUEPRINT AND DRAWING SUPPORT

The Air Force will provide the Contractor with as-built drawings, blueprints, etc. showing the layout and construction details of Base-provided facilities assigned to the Contractor.



**APPENDIX III-A
GENERAL PURPOSE VEHICLE REQUIREMENTS**

VEHICLE AND DESCRIPTION	1963												1964											
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
I. CONSOLIDATED MOTOR POOL FOR CONTRACTORS	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10								
SEDAN, 4-DR., COMPACT																								
STATIONWAGON, 4-DR., COMPACT																								
TRUCK, PICK-UP 1/2 TON COMPACT																								
TRUCK, TRACTOR 5 TON W/FEMALE FIFTH WHEEL																								
II. LOB. TERM LEASE																								
BUS, SCHOOLLINE																								
TRUCK, PICK-UP 1/2 TON, 4 WHEEL DRIVE																								
TRUCK, 1 TON STAKE																								
TRUCK, 1 TON VAN																								
TRUCK, 1 1/2 TON FLAT BED W/HYDRAULIC TAIL GATE																								
TRUCK, 2 1/2 TON FLAT BED W/HYDRAULIC TAIL GATE																								
TRUCK, TRACTOR 5 TON W/FIFTH WHEEL																								
TRUCK, FLAT BED W/CRANE																								
TRAILER-SIMI, LOWBOY 8x35																								
TRAILER-SIMI, FLAT BED 8x40																								
TRAILER, VAN 8x40																								
III. FACILITIES CONTRACT																								
TRUCK, TRACTOR, 5 TON W/FIFTH WHEEL																								
TRUCK, FORK LIFT 4000 LB.																								
TRUCK, FORK LIFT 8000 LB.																								
TRUCK, FORK LIFT 15,000 LB.																								
TRUCK, CRANE 12 TON																								
TRUCK, CRANE 20 TON																								
TRAILER, VAN 8x35																								

*Additional cranes may be rentals - if so, cost will be \$3000.00 each per month.
 Misc. vehicle rental Jan. '64 thru Nov. '64 will cost \$600.00 per month.

CHAPTER IV
SPECIAL SERVICES

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CHAPTER IV

SPECIAL SERVICES

1.0 GENERAL

The Air Force and the Contractor will provide all technical reports and services as are normally associated with a missile test program at Vandenberg Air Force Base. The criteria specifications and definitization, of such support and/or services is in part contained in document GM-60-0000-33710, Program Requirements Document (Secret Classification). Revisions to technical program requirements and/or procedures will be accomplished by formal revision to the document listed above or, by agreement of the parties concerned, may be accomplished by revision or addition to this document.

1.1 METEOROLOGICAL DATA

The Air Force will provide weather data when requested by the Contractor consisting of:

- (a) Advance notification of a severe weather advisory for the launch area.
- (b) Daily forecasts of temperature, pressure, wind direction and velocity and precipitation at the launch area for and during missile processing.
- (c) Surface and upper air observations of temperature, pressure, wind direction and velocity, relative humidity at the launch site on firing day.
- (d) Final data in graphics and tabular form at 1000 foot intervals to include temp.(°C), refracting index, air pressure (mb), density (grams per cubic meter), speed of sound (knots), dewpoint (°C), relative humidity (percent), mixing rates (grams per kilogram), wind direction (degrees from true North) and wind speed (knots).

1.2 QUICK-LOOK FLIGHT DATA

Air Force at Vandenberg is responsible for the delivery of two copies of the raw telemeter tapes from the PMR ground station, Point Arguello, to the Boeing CTLI van approximately one hour after test termination.

1.3 PROGRAM DATA

Contractor shall supply data generated under the Vandenberg Program in accordance with the data Exhibit "F", subject Contract.



CHAPTER V
EQUIPMENT AND SUPPLIES

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CHAPTER V
EQUIPMENT AND SUPPLIES

1.0 GENERAL

This chapter lists the necessary supplies expended during the course of the test program as well as equipment required to perform Validation/Verification functions.

1.1 T. O. VALIDATION/VERIFICATION EQUIPMENT SUPPORT

The Air Force shall furnish to the Contractor all items of non-figure "A" equipment upon request on a time scale as necessary to support the Technical Order Validation/Verification Program per Item 11 of Contract AF04(647)-757 statement of work. The items of non-figure "A" equipment required are as specified in Document D2-14271.

1.2 EXPENDABLE/CONSUMABLE SUPPLIES

Expendable/consumable supplies required by the Contractor in the performance of the WS-133A program will be provisioned by the Contractor as a direct charge to Contract AF04(647)-757. Such items include, but are not limited to stationery, household cleaning, and sanitary supplies, MRO bulk supplies petroleum, oil and lubricants. The Contractor at Vandenberg Air Force Base will maintain a listing and quantity of these items. The Air Force will provide adequate quantities of AF forms for Contractor requisitioning of such supplies. In addition, the Contractor will have access to base published listings of excess parts and materials. The Air Force will issue to the Contractor at no cost such requirements as may be identified from the excess listings.

A general purpose store will be maintained by the Contractor to support all Associate Contractors' expendable supplies requirements. The store will contain such items as AM standard parts and sanitary household supplies. Each Associate Contractor will advertise requirements 30 days in advance.

DISCLAIMER NOTICE

**THIS DOCUMENT IS BEST QUALITY
PRACTICABLE. THE COPY FURNISHED
TO DTIC CONTAINED A SIGNIFICANT
NUMBER OF PAGES WHICH DO NOT
REPRODUCE LEGIBLY.**